

SHARING OF FUNCTIONS BETWEEN AN EMBEDDED CONTROLLER AND A HOST PROCESSOR

ABSTRACT OF THE DISCLOSURE

5 An improved system is described for allowing an embedded
controller and a host processor to share access to modules in a
computer system. The shared access system of the present
invention enables exclusive, one-at-a-time access by a processor
to a module and concurrent access by more than one processor to
10 a module. An internal bus with two power sources is used to
allow continued access by one of the processors when one of the
two power sources is not providing power. Asynchronous clocking
is provided to allow increased throughput to modules. An example
of a protocol that allows an embedded controller to access more
15 than one module is also described.